

Lesson 7: Mobile Platforms - Online Take-Home Activity

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Section: BSIT 3-F

Multiple Choice (6 points)

1. Which of the following is NOT a major mobile operating system?
 - ☐ A) iOS
 - ☐ B) Android
 - ☐ C) Windows Mobile
 - ☒ D) Symbian OS
2. Which programming language is commonly used for developing Android applications?
 - ☐ A) Swift
 - ☒ B) Java
 - ☐ C) Python
 - ☐ D) C++
3. In Human-Computer Interaction (HCI), which of the following refers to the ease with which users can learn and operate a system?
 - ☒ A) Usability
 - ☐ B) Accessibility
 - ☐ C) Scalability
 - ☐ D) Compatibility
4. UI stands for:
 - ☐ A) User Indicator
 - ☐ B) User Interaction
 - ☒ C) User Interface
 - ☐ D) Universal Input
5. Which tool is often used in iOS development to create UI components visually?
 - ☒ A) Xcode Interface Builder
 - ☐ B) Visual Studio
 - ☐ C) Android Studio

- D) Eclipse
- 6. Which of these is an example of a prototyping tool used in UI/UX design?
 - ☒ A) Figma
 - B) Notepad
 - C) Excel
 - D) SQL Server

True/False (4 points)

- 7. Swift is a programming language used for developing applications on Android.
 - True
 - ☒ False
- 8. In mobile app development, UX focuses on the overall feel of the product, while UI focuses on the layout and design.
 - ☒ True
 - False
- 9. Accessibility in HCI means designing applications for users with disabilities.
 - ☒ True
 - False
- 10. Material Design is a design system created by Google for Android applications.
 - ☒ True
 - False

Short Answer (5 points)

- 11. Name two major mobile operating systems.
 - iOS
 - Android
- 12. What is the primary programming language used for iOS development?
 - Swift
- 13. Define 'User Interface' in your own words.
 - User interface is where users can interact with a device or application. It includes the buttons, icons, and layout that users see and use to control the system.

14. List one principle of Human-Computer Interaction (HCI) that should be considered in software development.

- Usability

15. Give one example of a tool or software used for testing mobile applications.

- Appium